

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114.

2. The Action is responsive to Applicant's Request for Continued Examination filed October 29, 2008 and Amendment filed October 14, 2008.

3. It is acknowledged that claims 1-3, 6-7, 9-15, 20 and 24-27 were amended in the Amendment

4. After a thorough search and examination of the present application, and in light of the following:
Prior art made of record;
Examiner's Amendments made December 18, 2008 that was authorized to amend claims 1 and 13, cancel claims 12 and 15-25 and add claims 28-42; and
An update search on prior art conducted in domains (EAST, NPL-ACM, Google, NPL-IEEE, etc);
Claims 1-11, 13-14, 26-27 and 28-42 (renumbered to 1-30) are allowed.

Examiner's Amendments

5. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to Applicants, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee. This Examiner's Amendments as listed below was authorized on December 1, 2008 in a telephone interview with Mr. Joseph M. Sauer (Registration Number 47,919) and some additional amendments were made by the Examiner for making a consistent scope of subject matter among independent claims.

5.1. Please amend claims 1 and 13, cancel claims 12 and 15-25 and add claims 28-42, (claims 2-11, 14 and 26-27 are also listed as Original or Previously Presented), as follows:

1. (Currently Amended) A computerized system for content management that automatically determines when a static content page contains out of date content items as a result of changes made to the content items in a data source, the computerized system comprising:
a template engine for executing templates to generate a static content page, the template engine operative to generate a static content page comprising content items selectively retrieved from a data source and arranged on the static content page as defined by the template, each content item in the data source being associated with time stamp

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information to indicate the last time the content item was modified;

a dependency record for storing information regarding a relationship between content items that comprise the static content page and the content items stored in the data source and time parameter information associated with the content items that comprise the static content page; ~~and~~

dependency checking software for comparing information contained in the dependency record with information contained in the data source for each content item that comprises the static content page, determining through the comparison those static content pages that contain content items that have been modified in the data source, and instructing the template engine to re-generate a static content page that contains modified content items; and

content management software to manage content items and operative to issue instructions to the dependency checking software to regenerate a static content page upon modification of a managed content item.

2. (Previously Presented) The system of claim 1, wherein a plurality of dependency records are used to store the relationship between the content items that comprises the static content page and the content items stored in the data source.

3. (Previously Presented) The system of claim 1, wherein the static content page generated by the template engine comprises markup code.

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4. (Original) The system of claim 3 wherein the markup code is HTML.
5. (Original) The system of claim 3 wherein the markup code is XML.
6. (Previously Presented) The system of claim 1, wherein the dependency record contains parameters comprising name/value pairs of the information that are passed to the template engine to generate the static content page.
7. (Previously Presented) The system of claim 1, wherein the dependency record comprises the address within the data source of the content items that comprise the static content page.
8. (Original) The system of claim 1, wherein the dependency record comprises queries executed by the template engine to retrieve content items from the data source.
9. (Previously Presented) The system of claim 1, wherein the dependency record
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comprises sub-template scripts used by the template engine to generate a static content page.
10. (Previously Presented) The system of claim 1, wherein the dependency record comprises the time the static content page was generated.

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11. (Previously Presented) The system of claim 10, wherein the dependency record comprises the date the static content page was generated.

12. (Cancelled)

13. (Currently Amended) The system of claim ~~42~~ 1, the content management software operative to issue instructions to the dependency checking software to regenerate a static content page upon modification of a template.

14. (Previously Presented) The system of claim 1 comprising one or more dependency records to store information regarding the relationship between a template and the content items that comprise the static content page.

15 – 25 (Cancelled)

26. (Previously Presented) The system of claim 1, wherein the dependency checking software provides for comparison of time parameter information associated with a respective content item that comprises the static content page and time stamp information associated with a respective content item in the data source.

27. (Previously Presented) The system of claim 26, wherein the time parameter information comprises a template execution time or a file publication time.

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28. (New) A method for content management that automatically determines when a static content page contains out of date content items as a result of changes made to the content items in a data source, the method comprising:

executing templates in a template engine to generate a static content page, the template engine operative to generate a static content page comprising content items selectively retrieved from a data source and arranged on the static content page as defined by the template, each content item in the data source being associated with time stamp information to indicate the last time the content item was modified, wherein the static content page is saved to a disk;

storing information in a dependency record, the information regarding a relationship between content items that comprise the static content page and the content items stored in the data source and time parameter information associated with the content items that comprise the static content page;

comparing information contained in the dependency record with information contained in the data source for each content item that comprises the static content page using dependency checking software;

determining through the comparison those static content pages that contain content items that have been modified in the data source;

instructing the template engine to re-generate a static content page that contains modified content items; and

managing content items using content management software operative to issue instructions to the dependency checking software to regenerate a static content page upon modification of a managed content item.

29. (New) The method of claim 28, wherein a plurality of dependency records are used to store the relationship between the content items that comprises the static content page and the content items stored in the data source.

30. (New) The method of claim 28, wherein the static content page generated by the template engine comprises markup code.

31. (New) The method of claim 30, wherein the markup code is HTML.

32. (New) The method of claim 30, wherein the markup code is XML.

33. (New) The method of claim 28, wherein the dependency record contains parameters comprising name/value pairs of the information that are passed to the template engine to generate the static content page.

34. (New) The method of claim 28, wherein the dependency record comprises the address within the data source of the content items that comprise the static content page.

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35. (New) The method of claim 28, wherein the dependency record comprises queries executed by the template engine to retrieve content items from the data source.

36. (New) The method of claim 28, wherein the dependency record comprises sub-template scripts used by the template engine to generate a static content page.

37. (New) The method of claim 28, wherein the dependency record comprises the time the static content page was generated.

38. (New) The method of claim 37, wherein the dependency record comprises the date the static content page was generated.

39. (New) The method of claim 28, the content management software operative to issue instructions to the dependency checking software to re-generate a static content page upon modification of a template.

40. (New) The method of claim 28 comprising one or more dependency records to store information regarding the relationship between a template and the content items that comprise the static content page.

41. (New) The method of claim 28, wherein the dependency checking software provides for comparison of time parameter information associated with a respective

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content item that comprises the static content page and time stamp information associated with a respective content item in the data source.

42. (New) The method of claim 41, wherein the time parameter information comprises a template execution time or a file publication time.

Reason for Allowable

6. The following is the Examiner's statement of reasons for allowance:

In the Examiner's Office Action, dated April 9, 2008, the Final Rejection under 35 U.S.C. § 102(e) rejections was made mainly based on the reference over Dutta: "INCREMENTAL UPDATES OF ITEMS AND PRICES ON A CUSTOMER COMPUTER TO REDUCE DOWNLOAD TIMES FOR FREQUENT PURCHASED ITEMS IN E-COMMERCE TRANSACTIONS IN A METHOD, SYSTEM AND PROGRAM", U.S. Patent 6,606,604, filed 5/31/2000 and issued 8/12/2003).

In the response filed October 9, 2008, to the Office Action of April 9, 2008, Applicant argued that Dutta discloses a dynamic content management systems for e-commerce application and the dynamic information, such as price lists, is updated dynamically and separately from the static information, such as order forms, however, in the contrast, the present application discloses a system for management of static web pages and clearly distinguishes between static and dynamic web pages. Applicant further asserted the instant application is to "provide a system and method for high-performance content management that automatically determines which static content pages have become

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stale as a result of changes to the data in the underlying data source or template" and to that end, amended claims 1-27 recite systems and methods for management of static content pages, further more, claim 1 and 25 recited re-generation of the entire static content pages that contains modified content items, instead of dynamic updating of selected items of the web page as disclosed in Dutta.

Based on the above arguments and further based on an updated search result, Examiner is persuaded that Dutta does not fairly teach the combined subject matter of **“a template engine for executing templates to generate a static content page, the template engine operative to generate a static content page comprising content items selectively retrieved from a data source and arranged on the static content page as defined by the template, each content item in the data source being associated with time stamp information to indicate the last time the content item was modified; a dependency record for storing information regarding a relationship between content items that comprise the static content page and the content items stored in the data source and time parameter information associated with the content items that comprise the static content page; dependency checking software for comparing information contained in the dependency record with information contained in the data source for each content item that comprises the static content page, determining through the comparison those static content pages that contain content items that have been modified in the data source, and instructing the template engine to re-generate a static content**

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page that contains modified content items; and content management software to manage content items and operative to issue instructions to the dependency checking software to regenerate a static content page upon modification of a managed content item” as claimed in independent claims 1 and 28.

An update search on prior art in domains (EAST, NPL-ACM, Google, NPL-IEEE, etc) has been conducted. The prior art searched and investigated in the domains (EAST, NPL-ACM, Google, NPL-IEEE, etc) do not fairly teach or suggest teaching of the subject matter as described by the combined limitation in each of the independent claims 1 and 28.

Claims (2-11, 13-14 and 26-27) and (29-42) are directly or indirectly dependent upon the independent claims 1 and 28, respectively, and are also distinct from the prior arts for the same reason.

After a search and a thorough examination of the present Application and in light of the prior arts, Claims 1-11, 13-14, 26-27 and 28-42 (renumbered to 1-30) are allowed.

Conclusions

7. Any comments considered necessary by Applicants must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably

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accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance".

Contact Information

8. Any inquiry concerning this communication or earlier communications from the Examiner should be directed to KUEN S. LU whose telephone number is (571)-272-4114. The examiner can normally be reached on Monday-Friday (8:00 am-5:00 pm). If attempts to reach the examiner by telephone pre unsuccessful, the examiner's Supervisor, Pierre Vital can be reached on (571)-272-4215. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for Page 13 Published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should You have questions on access to the Private PAIR system; contact the Electronic Business Center (EBC) at 866-217-9197 (toll free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, please call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

KUEN S. LU /Kuen S Lu/

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Primary Patent Examiner

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